

Docket No.: 63442-093

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

M. Jamal EL-HIBRI

Serial No.:

Group Art Unit:

Filed: July 15, 2003

Examiner:

For: POLYSULFONE COMPOSITIONS EXHIBITING VERY LOW COLOR AND HIGH LIGHT
TRANSMITTANCE PROPERTIES

CLAIM OF PRIORITY

Mail Stop CPD
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 35 U.S.C. 119, Applicant hereby claims the priority of:

**International Application No. PCT/US03/11501, filed April 15, 2003, which claims the priority of:
U.S. Provisional Patent Application No. 60/372,078, filed April 15, 2002,
U.S. Provisional Patent Application No. 60/452,961, filed March 10, 2003**

cited in the Declaration of the present application.

Respectfully submitted,

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Date: July 15, 2003

1/9/1 DIALOG(R)File 351:Derwent WPI (c) 2003 Thomson Derwent. All rts. reserv.

000678795

WPI Acc No: 1970-15474R/197010

Purification of 4,4-dihydroxydiphenyl propane

Patent Assignee: HONSHU CHEM IND CO LTD (HONU)

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 1530676	A					197010 B
DE 1793324	B	19771013				197742

Priority Applications (No Type Date): FR 166085 A 19680913

Abstract (Basic): FR 1530676 A

Purification of 4,4-dihydroxydiphenyl propane.. F5-. During at least one of a series of washing operations consisting of mixing 4,4'-dihydroxy-diphenyl propane (I), containing a small quantity of isomers and other impurities, with water at 100-105 degrees C., the mixture is allowed to stand and the aqueous phase is separated from the oily phase by decantation, and during the final washing stage the warm mixture is cooled with stirring to crystallise pure 4,4'-dihydroxy-diphenyl propane. Preferably the quantity of water used in each stage is 2-4 times the weight of (I) and during the last washing the warmed mixture is cooled with stirring to about 95 degrees C. then the crystals are separated by filtration at 80-85 degrees C. and dried.

Title Terms: PURIFICATION; PROPANE

Derwent Class: A43; E14

International Patent Class (Additional): C07C-039/16

File Segment: CPI

Manual Codes (CPI/A-N): A01-E13; E10-E02

Polymer Fragment Codes (PF):

001 01- 220 221 343 400 402 404 405 528 720

Chemical Fragment Codes (M3):

01 H4 M121 M132 G100 M150 M532 H442 H443 H444 M232 M233 M331 M333 N160
Q110 Q120 M510 M520 M540 M720 M414 M901

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009394798

WPI Acc No: 1993-088266/199311

XRAM Acc No: C93-038994

XRFX Acc No: N93-067369

**Spectacle frame prepn. with ultrahigh modulus of elasticity
- by injection moulding polypolyphenylsulphine or polypolyallylsulphone
at high temp. and pressure, and opt. annealing**

Patent Assignee: SAKAI KNIT KK (SAKA-N)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 5031748	A	19930209	JP 91210261	A	19910727	199311 B
JP 2537439	B2	19960925	JP 91210261	A	19910727	199643

Priority Applications (No Type Date): JP 91210261 A 19910727

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 5031748	A	4	B29C-045/00	
JP 2537439	B2	3	B29C-045/00	Previous Publ. patent JP 5031748

Abstract (Basic): JP 5031748 A

The spectacle frame or its part is prepd. by injection moulding polyphenylsulphone or polyallylsulphone at high temp. and high pressure and opt. annealing at predetermined temp. The surface of the frame or its part is dyed, baked, etc. for colouring.

USE/ADVANTAGE - Used as spectacle frames with ultrahigh modulus of elasticity and high heat resistance. The frame is superior in high bending modulus of elasticity, Izod impact resistance and heat deformation temp. The frame is broken with much difficulty. The colour appearance is good.

In an example, a pelletised material is dried at 150-170 deg.C for 2.5 hrs. or longer to remove water from the pellets. The surface temp. of a metallic mould is maintained at 150-230 deg.C. The dried pellets are heated at 350-420 deg.C, injected at 1,000-3,000 kg/sq.cm and opt. annealed at 160-200 deg.C.

Dwg.1/2

Title Terms: SPECTACLE; FRAME; PREPARATION; ULTRAHIGH; MODULUS; ELASTIC; INJECTION; MOULD; POLY; PHENYL; POLYALLYL; POLYSULPHONE; HIGH; TEMPERATURE; PRESSURE; OPTION; ANNEAL

Derwent Class: A26; A32; A89; P81

International Patent Class (Main): B29C-045/00

International Patent Class (Additional): B29C-071/02; B29K-081-00;

B29L-012-00; G02C-005/00

File Segment: CPI; EngPI

Manual Codes (CPI/A-N): A05-J06; A11-B12A; A12-L03

Plasdoc Codes (KS): 0213 0217 0229 2320 2371 2413 2465 2544 2545 2589 2600
2617 2628 2635 2667 3232 3258

Polymer Fragment Codes (PF):

001 014 03- 331 364 374 387 428 456 461 463 476 50& 516 518 541 551 556
560 566 567 57& 573 604 608 651

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